

Conference Program

Internet of Things Applications

Connecting the Intelligence at the Edge

From Energy Efficiency, Sustainable Mobility, Industrial Internet to Integrated Smart Cities

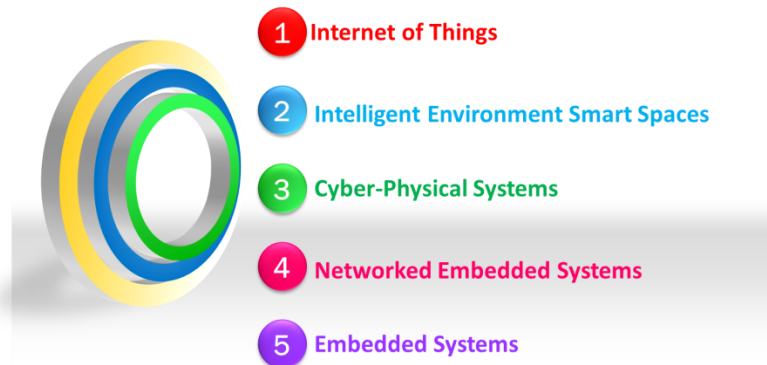
Tuesday 21st of April 2015, 09:00-17:00, Telenor, Oslo, Norway.
Auditorium Voice, Telenor Expo, Snarøyveien 30, 1331 Fornebu

09:00-09:05	Welcome
09:05-10:30	Session: Future Trends – Research and Innovation
09:05-09:30	IoT and Usage Areas for SMART Cities Jørn V Fredriksen, Director Industry Consulting EMEA & AP, Process, Sensor and SMART CoE, SAS Institute, Norway
09:30-09:50	Proximity detection using IoT technology – Opportunities for Telenor Arne Munch-Ellingsen, Senior Researcher, Telenor Research, Norway
09:50-10:10	IoT and IIoT Future Research and Innovation Challenges. Alliance for Internet of Things Innovation (AIOTI) and H2020 Actions for IoT. Ovidiu Vermesan, Chief Scientist, SINTEF, Norway
10:10-10:30	IoT - IMAGINE - An Approach to Disrupting Innovation and Application for IoT. Jalal Yousuf, CEO, Talk2the Future, Norway
10:30-11:00	Coffee/Tea Break
11:00-12:30	Session: Enabling Technologies and Business Opportunities
11:00-11:30	DASH7 - Communication Option for Internet of Things Deployments - Transforming Things into a Distributed Database Michaël André, CEO, WizziLab S.A.S., France
11:30-12:00	Business Implications of Internet of Things – Opportunities and Examples Peter Hedberg, Manager, ThingWorx, Sweden
12:00-12:30	Cost effective and energy optimized connectivity for IoT Applications - How to redefine the network to address the Big Data and Scalability Challenges? Thomas Nicholls, Head of Communication, SIGFOX, France
12:30-13:30	Lunch

13:30-15:00	Session: Innovation and Standardisation
13:30-14:00	IoT Use Cases and Standards Henri Barthel, Vice President System Integrity and Global Partnerships, GS1, Chairman of ISO/IEC JTC 1/SC31/WG4, Belgium
14:00-14:30	IoT Technologies and Architectures for Health and Well-being: From Treatment to Prevention Helge T. Blindheim, Health Directorate, Norway
14:30-15:00	Rapidly Build IoT Applications Espen Thilesen, Software IT Architect, IBM Software Group, Norway
15:00-15:30	Coffee/Tea Break
15:30-16:30	Session: Applications
15:30-15:50	Physical Web and Internet 4.0 Paal Levang, Synaptic Technologies AS, Norway
15:50-16:10	An Easier Way to Connect the Unconnected Thorstein Tønnesson CEO, Tiny Mesh AS, Norway
16:10-16:30	Internet of Things and Smart City Transport: New Transport Models and Smart Use of Transport Infrastructure. Olav Madland, ITS, Acando, Norway
16:30	Discussions and wrap-up
17:00	Closing

Internet of Things and Industrial Internet of Things

Internet of Things (IoT) and Industrial Internet of Things (IIoT) are an integrated part of Future Internet and form the core of the digital economy providing the connected products and software-driven services of the future where humans are collaborating with machines.



The development of enabling technologies such as nanoelectronics, communications technologies, sensors/actuators, embedded systems, cloud networking, network virtualization and software will be essential to provide things with the capability to be connected at anytime, anywhere.

This provides a bright future for IoT product innovations that can influence many different sectors (consumer, industrial, business, etc.). Some of these technologies, such as embedded or cyber-physical systems (CPS), bridge the gap between cyber space and the physical world of real things, and they are crucial in enabling the IoT to deliver its vision and become part of bigger systems in a world of “systems of systems”.

The activities in IoT are focused on architecture and protocols for efficient interconnection of heterogeneous things and creation of value-added services and the success of IoT depends on the adaptation of IoT products and services by consumers.

In this context in order to develop complex IoT applications requires ecosystems comprising of various partners covering the whole value chain to coordinate and deliver the functionality and the services required by the various applications.

Smart X via Internet of X

Internet of Things and Cyber-Physical Systems
Systems of Systems Integration

